

PVS0151, Sperm Quality Evaluation, 2.0 Hp

Syllabus

Valid from: 2017H

Level within study regulation:

Third cycle

Subject:

- Animal Science

Grading scale:

Pass / Failed

Course language:

Swedish

Entry requirements:

Students should be admitted to a postgraduate program in animal science, biology, veterinary medicine, food science, nutrition, nursing, or related subjects, or to a residency program in veterinary science

Objectives:

After completing the course the student shall:

1. Be able to describe what sperm quality is and to explain the different methods for evaluating it;
2. Have the capacity to explain the methods behind the different assays; to understand the shortcomings of each; to evaluate the relevance of the output from such assays; to

determine the suitability of the sample for its intended purpose, taking into account the animal species; to communicate the results of the evaluation to the animal owner.

3. Having acquired or further developed a set of competences, the student will be able to identify particular challenges within andrology and decide how to deal with them; be able to advise others on interpreting the results and the appropriate action to take; be able to contribute to a discussion on development of more appropriate methods of assessment in the future.

Content:

The course covers the following fields: the concept of sperm quality, what it is and why it is needed in different situations; how it is evaluated from basic field laboratory to advanced research setting; how it is used for different species; pitfalls in sperm quality evaluation; how it can be improved in the future. There will be a series of tutor-led lectures, workshops and practical sessions.

Modes of assessment:

Active course attendance and fulfilling criteria for the written assignment. - If a student has failed an examination, the examiner has the right to issue supplementary assignments. This applies if it is possible and there are grounds to do so.

- The examiner can provide an adapted assessment to students entitled to study support for students with disabilities following a decision by the university. Examiners may also issue an adapted examination or provide an alternative way for the students to take the exam.
- If this syllabus is withdrawn, SLU may introduce transitional provisions for examining students admitted based on this syllabus and who have not yet passed the course.
- For the assessment of an independent project (degree project), the examiner may also allow a student to add supplemental information after the deadline for submission. Read more in the Education Planning and Administration Handbook.

Organisation:

Department of Clinical Sciences

Supplementary information

Other information:

- The right to participate in teaching and/or supervision only applies for the course instance the student was admitted to and registered on.
- If there are special reasons, students are entitled to participate in components with compulsory attendance when the course is given again. Read more in the Education Planning and Administration Handbook.